RAPID TOASTER
MODEL VCT-250
Manufacturing Numbers 9210600/602/604/609/612/618/619/620/622

Place this manual in the Toaster section of your Equipment Manual.

Manufactured exclusively for
McDONALD'S®
BY
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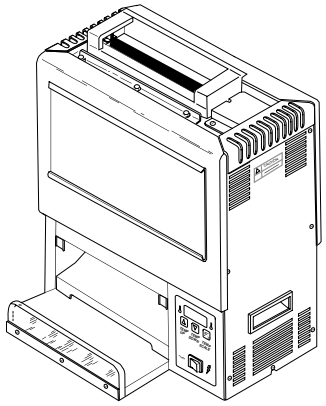

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LIMITED WARRANTY

The Antunes Food Service Equipment Division of A.J. Antunes & Co. provides the following limited warranty to the original purchaser of all McDonald's Equipment manufactured and purchased after January 1, 2003.

All components are warranted against defects in the material and workmanship for a period of two (2) years from date of original installation, not to exceed 30 months from date of shipment from our factory.

If any part becomes defective during the first two (2) years after the original installation date, Antunes Food Service will pay negotiated straight time labor costs to an Authorized Service Agent to replace the part, plus travel expenses up to 50 miles/80 km, 1 hour each way (100 miles/160 km, 2 hours round trip).

WARRANTY EXCLUSIONS

- The cost of Installation.
- Equipment that has been damaged due to shipment. Purchaser should make damage claim directly upon carrier.
- Alteration, misuse, abuse.
- Improper storage or handling.
- Improper maintenance.
- Failure to follow proper Installation instructions, including electrical connection.
- Improper or unauthorized repairs.
- Scheduled Maintenance procedures as outlined in your MRC Card.
- Consumables such as Grill Covers (Release Sheets), gaskets, Conveyor Belt Wraps, O-Rings, and light bulbs.
- Overtime or Holiday charges.
- Mileage over 50 miles/80 km (100 miles/160 km round-trip), or travel time over two (2) hours.
- Freight, foreign, excise, municipal or other sales or use taxes.
- Consequential damages such as loss of profit, loss of time, the cost of repairing or replacing other property which is damaged, or any other incidental damage of any kind.

Antunes Food Service reserves the right to make changes in design or add improvements on any products. The right is always reserved to modify Equipment because of factors beyond our control and government regulation. Changes to Equipment do not constitute a warranty charge.

This warranty is exclusive and is in lieu of all other warranties, expressed or implied, including any implied warranty of merchantability or fitness for a particular purpose, each of which is expressly disclaimed. The remedies described above are exclusive, and in no event shall A.J. Antunes & Co. or any of its Divisions be liable for special consequential or incidental damages for the breach or delay in the performance of this warranty.

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OWNER INFORMATION

General

This manual is produced for the Rapid Toaster.

The Rapid Toaster is designed for contact toasting of buns. This design allows the operator to place buns on both sides of the heated Platen at the same time. Buns are placed into the Bun Feeder on the top of the toaster and uniform golden brown, warm buns are then retrieved at the base of the toaster.

This manual provides the safety, installation and operating procedures for the Rapid Toaster. We recommend that this manual be read prior to installing and operating the unit.

The Rapid Toaster is manufactured from the finest materials available and is assembled to Roundup's strict quality standards. This unit has been tested at the factory to ensure dependable trouble-free operation.

Warranty Information

Please read the full text of the Limited Warranty in this manual.

If the unit arrives damaged, contact the carrier immediately and file a damage claim with them. Save all packing materials when filing a claim. Freight damage claims are the responsibility of the purchaser and are not covered under warranty.

The warranty **does not** extend to:

- Damages caused in shipment or damage as a result of improper use.
- Installation of electrical service.
- Normal maintenance as outlined in this manual.
- Malfunction resulting from improper maintenance.
- Damage caused by abuse or careless handling.
- Damage from moisture into electrical components
- Damage from tampering with, removal of, or changing any preset control or safety device.

Service/Technical Assistance

If you experience any problems with the installation or operation of your unit, contact your Authorized Service Agency.

Fill in the information below and have it handy when calling your Authorized Service Agency for assistance. The serial number is on the specification plate located on the rear of the unit.

Purchased From: _____

Date of Purchase: _____

Model No.: _____

Serial No.: _____

Mfg. No.: _____

Refer to the service agency directory packaged with your manual and fill in the information below:

Authorized Service Agency

Name: _____

Phone No.: _____

Address: _____

Use only genuine Roundup replacement parts in this unit. Use of replacement parts other than those supplied by the manufacturer will void the warranty. Your Authorized Service Agency has been factory trained and has a complete supply of parts for this toaster.

You may also contact the factory at 1-877-392-7854 (North America only), or 630-784-1000 if you have trouble locating your local Authorized Service Agency.

To locate your nearest International Authorized Service Agency: log onto the McDonald's web site: www.mcdonalds.com. and follow the on screen directions.

IMPORTANT! Keep these instructions for future reference. If the unit changes ownership, be sure this manual accompanies the equipment.

SPECIFICATIONS

Model Designation

VCT-250XX

TYPE OF POWER CORD
H = HARMONIZED
C = COMMERCIAL
R = ROCKBESTOS

TYPE OF PLUG
C = CEE 7/7
D = Domestic Pin and Sleeve
I = International Pin and Sleeve
R = Right Angle Twist-Lock
S = Straight Twist-Lock
U = Straight Twist-Lock

Toasting Time Change

In Early 2003, there was a change in the toasting time and Bun Thickness settings.

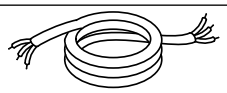
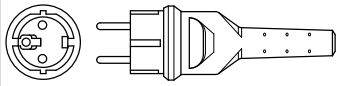
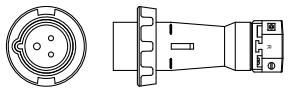
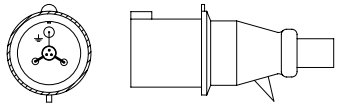
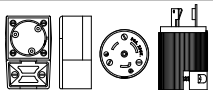
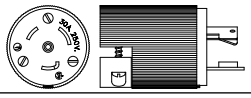
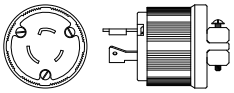
The toasting time was changed from 10 seconds to 17 seconds and the Bun Thickness settings were changed from “B & 3” to “D & 5.”

This field “Toaster Quality Kit” was installed on models VCT-250RD (Mfg #9210600), VCT-250RR (Mfg #9210602), and VCT-250RS (Mfg #9210604). Not all toasters were changed to the 17 second toasting time.

To determine if your toaster is a 10 or 17 second toaster, look at the label located on the left end panel. If the background color is YELLOW, the toasting time is 17 seconds.

If the background color is GRAY, the toasting time is 10 seconds. If your toaster has been changed to 17 seconds, follow all instructions/information pertaining to Mfg #9210618 to 9210622.

Electrical Cord & Plug Configurations

Letter Code*	Description	Configuration
C H R	Commercial Cord Harmonized Cord Rockbestos Cord	
(H)C**	CEE 7/7, 16 Amp., 250 VAC (Assembly Only).	
D	#330P6W, 30 Amp., 250 VAC.,Pin & Sleeve	
(H)I**	IEC-309, 16 Amp., 250 VAC., Pin & Sleeve (Assembly Only).	
R	L6-30P, 30 Amp., 250 VAC.,Right Angle Twist Lock.	
S	L6-30P, 30 Amp., 250 VAC.,Straight Twist Lock.	
U	L6-20P, 20 Amp., 250 VAC., Straight Twist Lock.	

* Used in Model Designation
** Indicates that the plug comes supplied with a Harmonized Cord.

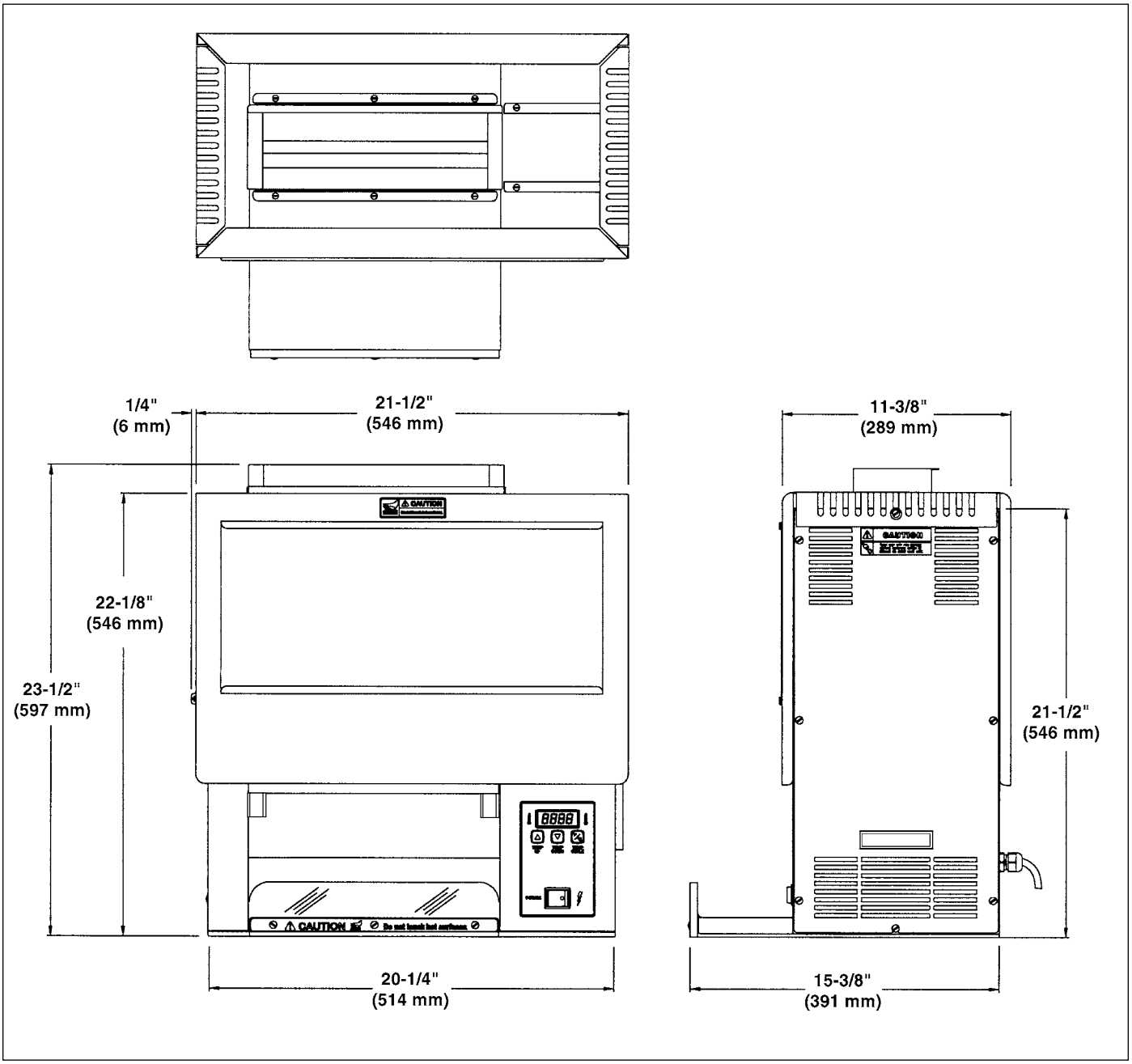
Model Specifications

Model Number	Mfg. Number	Voltage	Wattage	Amperage	HZ	Toasting Time
VCT-250RD	9210600	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	17 secs
VCT-250RR	9210602	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	17 secs
VCT-250RS	9210604	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	17 secs
VCT-250HI	9210609	220-240	3058-3640	13.9-15.1	50	Approx 10 secs
VCT-250RS	9210612	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	Approx 10 secs
VCT-250RD	*9210618	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	Approx 17 secs
VCT-250CU	9210619	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	Approx 17 secs
VCT-250RR	*9210620	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	Approx 17 secs
VCT-250RS	*9210622	208, 220-240	3326, 3700-4390	13.9, 16.8-18.3	60	Approx 17 secs

*** United States and Canada only**

SPECIFICATIONS (continued)

Dimensions



Weights

	Lbs	Kgs
Net	**95**	**43.1**
Shipping	**105**	**47.6**

IMPORTANT SAFETY INFORMATION

Throughout this manual, you will find the following safety words and symbols that signify important safety issues with regards to operating or maintaining the equipment.

⚠ WARNING ⚠

GENERAL WARNING. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

⚠ WARNING ⚠

ELECTRICAL WARNING. Indicates information relating to possible shock hazard. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

⚠ CAUTION ⚠

GENERAL CAUTION. Indicates information important to the proper operation of the equipment. Failure to observe may result in damage to the equipment.

WARNING

HOT SURFACE WARNING. Indicates information important to the handling of equipment and parts. Failure to observe caution could result in personal injury.

In addition to the warnings and cautions in this manual, use the following guidelines for safe operation of the unit.

- Read all instructions before using equipment.
- For your safety, the equipment is furnished with a properly grounded cord connector. Do not attempt to defeat the grounded connector.
- Install or locate the equipment only for its intended use as described in this manual. Do not use corrosive chemicals in this equipment.
- Do not operate this equipment if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- This equipment should be serviced by qualified personnel only. Contact the nearest Authorized Service Agency for adjustment or repair.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.

The following warnings and cautions appear throughout this manual and should be carefully observed.

- Turn the unit off, disconnect the power source, and allow unit to cool down before performing any service or maintenance on the unit.
- The procedures in this chapter may include the use of chemical products. These chemical products will be highlighted with bold face letters followed by the abbreviated **HCS** (Hazard Communication Standard). See Hazard Communication Standard manual for the appropriated Material Safety Data Sheets (MSDS).
- The equipment should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breaker of the proper rating.
- Bread may burn. Therefore toasters must not be used near or below curtains or other combustible walls and materials. Failure to maintain safe operating distances may cause discoloration or combustion.

INSTALLATION

Unpacking

1. Remove unit and all packing materials from shipping carton.
2. Open the accessory box. It should contain the following:
   - Bun Chute (Figure 1)
   - Bun Feeder (Figure 1)
   - Plastic bag containing the Release Sheets (not shown)
3. Remove all packing materials and protective coverings from the unit and parts.

NOTE: If any parts are missing or damaged, contact A.J. Antunes Technical Service IMMEDIATELY at 1-877-392-7854 (North America only), or 630-784-1000.

Assembling the Unit

1. Install the Bun Chute (Figure 1).
2. Install the Bun Feeder. The Bun Feeder clips fit over the tip of the Platen and retain the Release Sheet (Figures 1 & 9).

NOTE: Check the Release Sheet to make sure it is not caught in the conveyor. Additional Release Sheets can be obtained through your Authorized Service Agency.

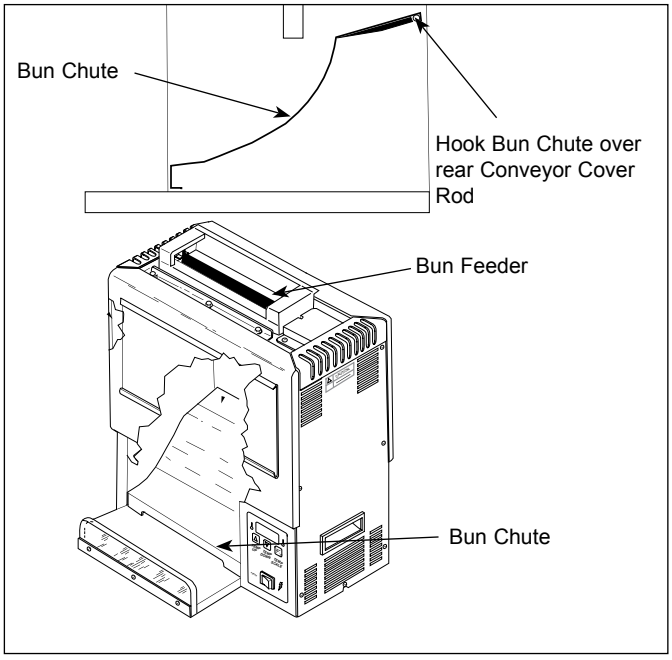


Figure 1. Installing Bun Chute

Location

When placing the toaster into service, pay attention to the following guidelines.

- Make sure power to the unit is off and the toaster is at room temperature.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.

Connect the unit to the power supply. Refer to the specification plate for the proper voltage.

⚠ CAUTION ⚠

All electrical connections must be in accordance with local electrical codes and any other applicable codes.

⚠ CAUTION ⚠

Bread may burn. Therefore toasters must not be used near or below curtains or other combustible walls and materials. Failure to maintain safe operating distances may cause discoloration or combustion.

⚠ WARNING ⚠

ELECTRICAL SHOCK HAZARD. FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL COULD RESULT IN SERIOUS INJURY OR DEATH.

- Electrical ground is required on this appliance.
- Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
- Do not use an extension cord with this appliance.
- The toaster should be grounded according to local electrical codes to prevent the possibility of electrical shock. It requires a grounded receptacle with separate electrical lines, protected by fuses or circuit breaker of the proper rating.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.

OPERATION

Operating Instructions

1. Set the Bun Thickness Adjustment Controls (Figure 2A & 2B) as follows:

   - For Mfg# 9210600 to 9210604 and 9210618 to 9210622, set the Crown control to 5 = 13/16" (20.06 mm).
   - For Mfg# 9210609 to 9210612, set Crown control to 3 = 11/16" (17.4 mm).
   - For Mfg 9210600 to 9210604 and 9210618 to 9210622, set the Heel/Club control to D = 9/16" (14.3 mm).
   - For Mfg# 9210609 to 9210612, set Heel/Club control to B = 7/16" (11.1 mm).

2. Turn the Rocker Switch (Power On/OFF) to ON (Figure 3). Allow 30 minutes warm-up time before proceeding.

NOTE: The Temperature Display (Figure 4) will flash "LO" until preset operating temperature is reached. When the toaster approaches the preset temperature, "USE" will appear in the Temperature Display and the unit is ready to toast buns.

The toaster is tested and shipped with the heaters set at a preset recommended temperature. If "USE" does not appear in the window after warm-up period, see Temperature Adjustments below for recommended temperature settings and to adjust temperature settings.

3. Drop buns into toaster (Figure 3). Cut sides of heel and crown must face each other (heel/club in front, crown in back).
4. Toasted product will drop into the bun landing area (Figure 3).
5. Test at least 4 buns before putting toaster into service.
6. Turn the Rocker Switch (Power On/Off) to OFF when finished toasting.

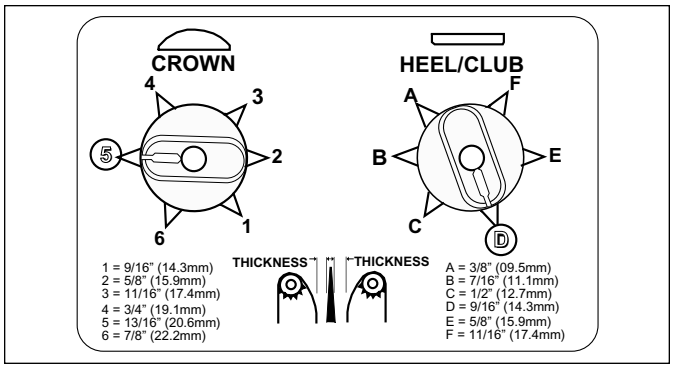


Figure 2A. Bun Thickness Adjustment Controls for Manufacturing Numbers 9210600 to 910604 and 9210618 to 9210622
NOTE: Background color of this label is YELLOW.

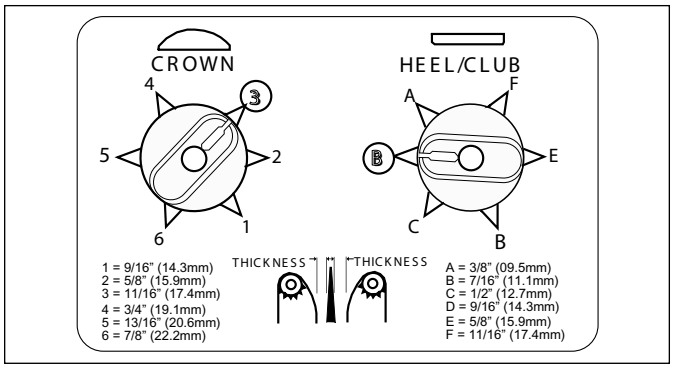


Figure 2B. Bun Thickness Adjustment Controls for Manufacturing Numbers 9210609 - 9210612
NOTE: Background color of this label is GRAY.

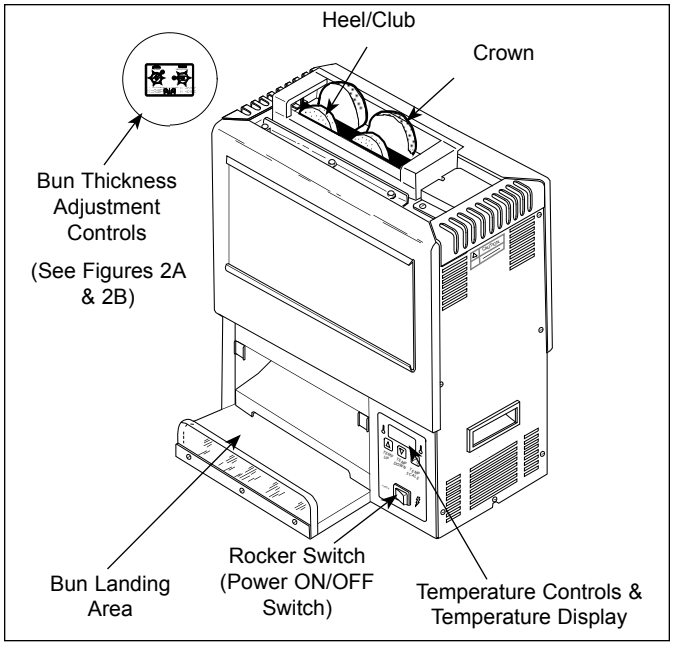


Figure 3. Rapid Toaster

OPERATION (continued)

Toaster Operation

The Rapid Toaster uses a Platen Heater and two Auxiliary Heaters. The Platen Heater consists of a heating coil built into the platen to toast the cut side of the bun. The two Auxiliary Heaters assist in providing additional heat to the buns. The first Auxiliary Heater is located within the Conveyor Belt Chain in the front of the toaster. The second Auxiliary Heater is located within the Conveyor Belt Chain at the rear of the unit.

TEMPERATURE CONTROL

NOTE: Setpoint Temperature refers to the desired temperature setting.

Pressing the TEMP UP key will display the current platen temperature provided it is over 420° F (216° C).

Pressing the TEMP DOWN key will display the current auxiliary heaters temperature when it is over 250° F (121° C).

Pressing and holding TEMP SCALE key for 3-5 seconds will switch the temperature display between Fahrenheit (°F) and Celsius (°C).

RECOMMENDED TEMPERATURES

Recommended temperature setting for the Platen Heater is 560° F (293° C).

Recommended temperature setting for the Auxiliary Heaters is 400° F (204° C).

NOTE: The toaster is tested and shipped with the heaters set at the above recommended temperatures.

PLATEN SETPOINT TEMPERATURE ADJUSTMENT

1. Turn the Rocker Switch (Power On/Off) to ON and wait for the Temperature Display to finish the power up sequence (Figure 4).
2. Press and hold both TEMP UP and TEMP DOWN keys until the display flashes the platen setpoint temperature, then release.
3. Press the TEMP UP or the TEMP DOWN key to raise or lower the setpoint temperature. The setpoint temperature will adjust 1° every 0.1 seconds.
4. Release the key when the desired setpoint is displayed.

NOTE: Maximum adjustable setpoint temperature for the platen is 600°F (315°C).

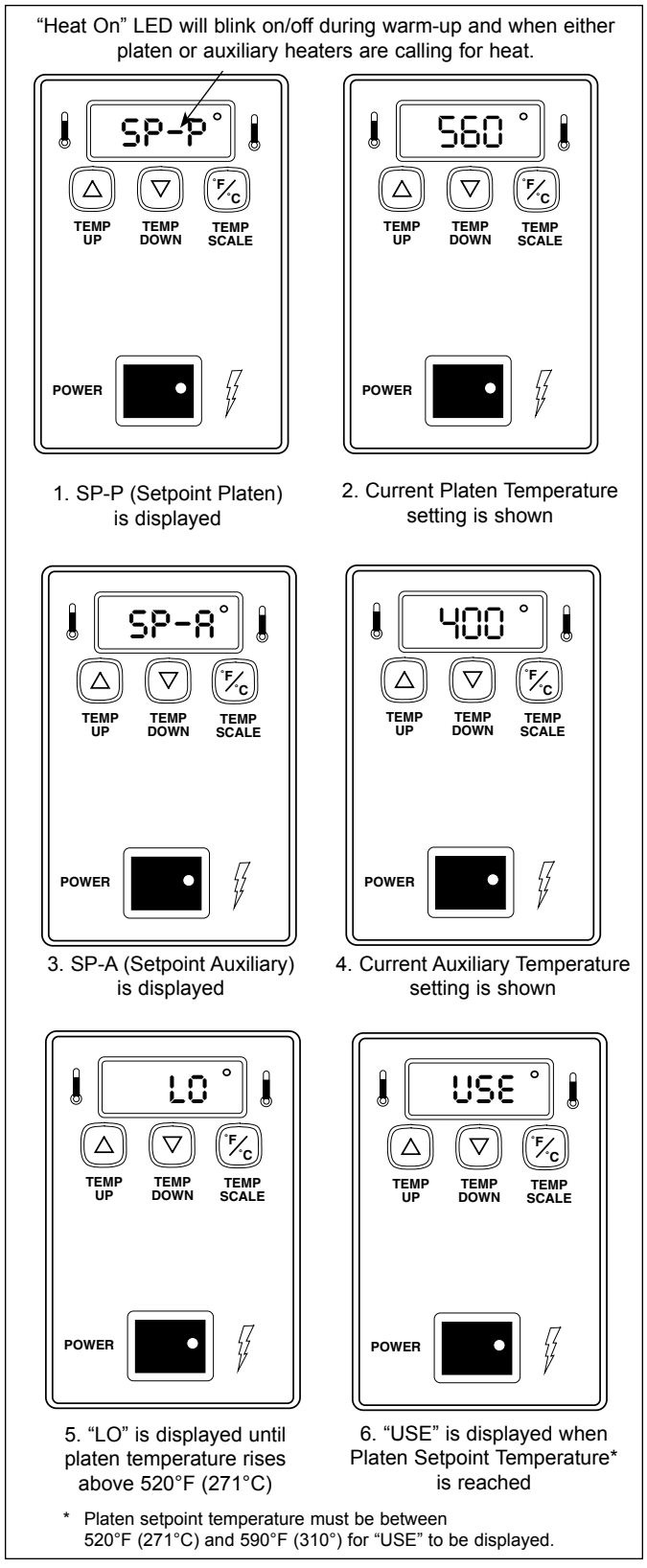

"Heat On" LED will blink on/off during warm-up and when either platen or auxiliary heaters are calling for heat.
SP-P
560
SP-A
400
LO
USE
TEMP UP
TEMP DOWN
TEMP SCALE
POWER
1. SP-P (Setpoint Platen) is displayed
2. Current Platen Temperature setting is shown
3. SP-A (Setpoint Auxiliary) is displayed
4. Current Auxiliary Temperature setting is shown
5. "LO" is displayed until platen temperature rises above 520°F (271°C)
6. "USE" is displayed when Platen Setpoint Temperature* is reached
* Platen setpoint temperature must be between 520°F (271°C) and 590°F (310°) for "USE" to be displayed.

Figure 4. Temperature Power Up Sequence

OPERATION (continued)

NOTE: If no change is made within 5 seconds, the display will revert back to the previous setpoint.

AUXILIARY HEATER TEMPERATURE ADJUSTMENT

1. Turn the unit ON and wait for temperature display to finish the power up sequence (Figure 4, numbers 3 & 4).
2. Press and hold both TEMP UP and TEMP SCALE keys until the display flashes the auxiliary setpoint temperature, then release (Figure 4, number 3)
3. Press the TEMP UP or TEMP DOWN key to raise or lower the setpoint temperature. The setpoint temperature will adjust 1° every 0.5 seconds.
4. Release the key when the desired setpoint is displayed.

NOTE: Maximum adjustable setpoint temperature for the Auxiliary Heater is 400° F (204° C).

NOTE: If no change is made within 5 seconds, the display will revert back to the previous setpoint.

Safety Features

HI-LIMIT RESET BUTTON

A hi-limit control will turn off electrical power to the control circuits if the unit overheats. To reset this hi-limit control, allow sufficient time (10-15 minutes) for the unit to cool down, then depress the reset button located on the rear of the unit (Figure 5).

If the unit requires continuous resetting, contact your Authorized Service Agency.

FAULT MESSAGES

- If the Platen Thermocouple is disconnected or “open”, the display will flash “HI” and the Platen heating circuit will turn off (Figure 6). The Platen Thermocouple must be reattached or replaced.
- If the Platen Heater temperature exceeds 620°F (327°C) the display will flash “HI” and the heating circuit will turn off (Figure 6). After the toaster has cooled down, the unit must be turned off, then back on to restart. If this condition repeats, contact your Authorized Service Agency.
- If the Auxiliary Heating temperature exceeds 420° F (215°C) the display will alternately flash “HI” and “USE” (Figure 8). The heating circuit will not turn off. After the toaster has cooled down, the unit must be turned off, then back on to restart. If this condition repeats, contact your Authorized Service Agency.

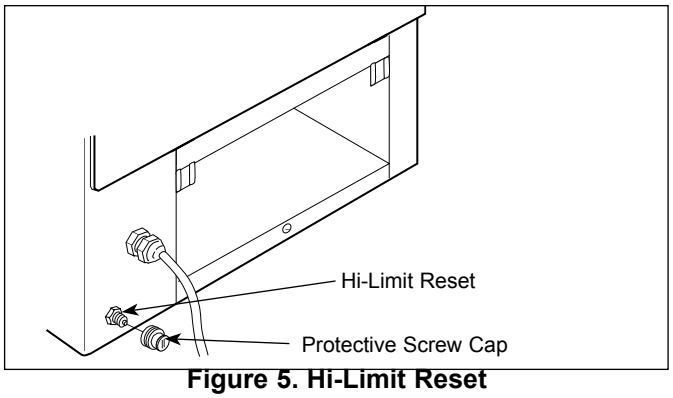


Figure 5. Hi-Limit Reset

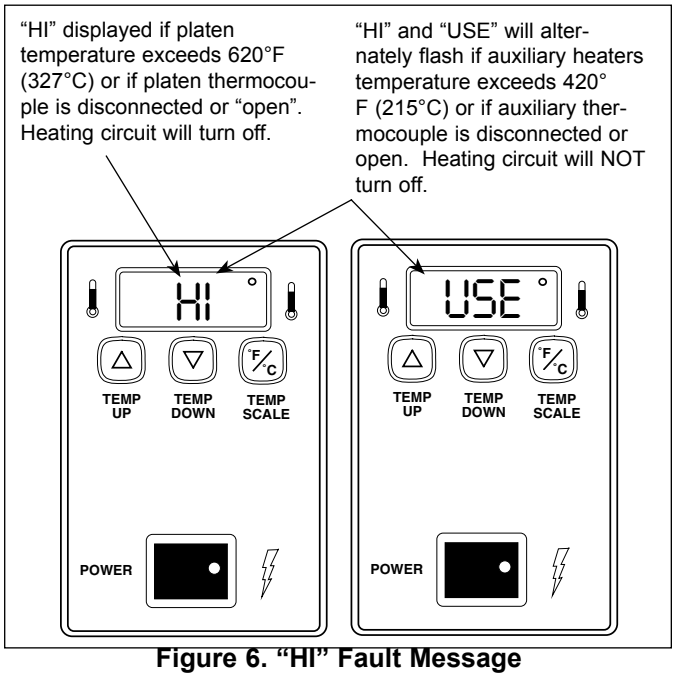

“HI” displayed if platen temperature exceeds 620°F (327°C) or if platen thermocouple is disconnected or “open”. Heating circuit will turn off.
“HI” and “USE” will alternately flash if auxiliary heaters temperature exceeds 420° F (215°C) or if auxiliary thermocouple is disconnected or open. Heating circuit will NOT turn off.
HI
USE
TEMP UP
TEMP DOWN
TEMP SCALE
POWER

Figure 6. “HI” Fault Message

OPERATION (continued)

FAULT MESSAGES (continued)

- The temperature controller has an ambient temperature sensor that will shut off all heating circuits if the control compartment ambient temperature becomes excessive: 140°F (60°C) to 180°F (82°C).

  When this occurs, the temperature display will flash "CHEC" (Figure 7). To restart the unit, ambient must drop to 140°F (60°C) and the unit must be turned off, then back on. If this condition repeats, contact your Authorized Service Agency.

- If incoming power drops below 175 Volts, the toaster will shut down and the display will read "PO" (Figure 8). To reset, the voltage must be over 190 Volts, then the unit must be turned off and back on. If this condition repeats, contact your Authorized Service Agency.

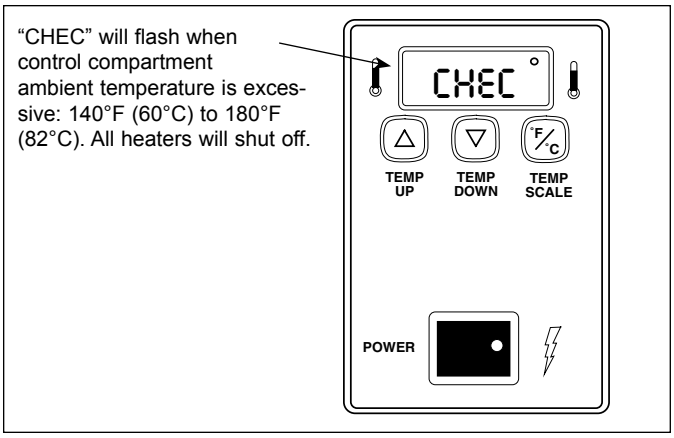

"CHEC" will flash when control compartment ambient temperature is excessive: 140°F (60°C) to 180°F (82°C). All heaters will shut off.
CHEC
TEMP UP
TEMP DOWN
TEMP SCALE
POWER

Figure 7. "CHEC" Fault Message

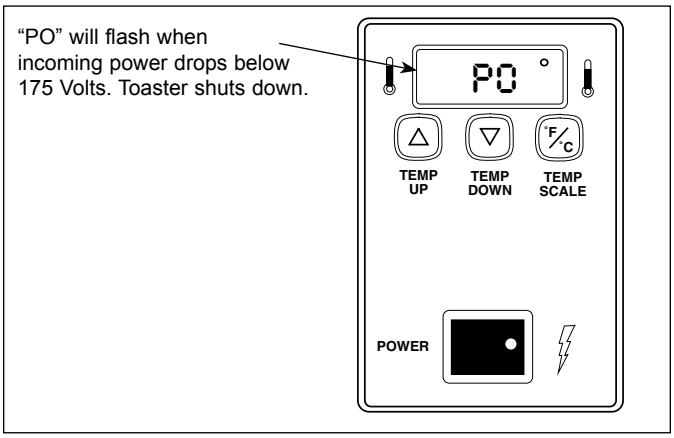


Figure 8. "PO" Fault Message

MAINTENANCE

⚠WARNING ⚠

Turn the unit off, disconnect the power source and allow the unit to cool down before performing any service or maintenance on the unit.

Daily Cleaning

NOTE: Also refer to TS 019 Card (P/N 1010732).

1. Turn the Rocker Switch (power ON/OFF) to OFF, unplug the toaster and allow it to cool down.
2. Put on Heat Resistant Gloves and remove the Bun Feeder and Bun Chute (Figure 11). Wash them at the sink and allow to air dry.
3. Remove the Release Sheet (Figure 9) and lay it on a clean, flat, dry surface. Spray **McD© All-Purpose Super Concentrate (HCS)** on a clean, dry towel. Wipe the towel firmly across the Release Sheet lengthwise over its entire surface. Immediately, repeat this procedure with a clean, dry towel dampened with **KAYQUAT™ Sanitizer (HCS)** solution and allow the Release Sheet to air dry. Turn the Release Sheet over and repeat this cleaning procedure on its other side.
4. Open the Front (Heel/Club side) Conveyor Cover, spray **McD© All-Purpose Super Concentrate (HCS)** on a clean, dry towel and wipe the surface of the Groovy Belt Wrap firmly from side to side and then top to bottom. Immediately, repeat the procedure with a clean, dry towel dampened with **KAYQUAT™ Sanitizer (HCS)** solution. Close the Conveyor Cover and repeat this procedure on the second, rear (Crown side) Groovy Belt Wrap.

NOTE: Do not remove Groovy Belt Wrap from unit.

5. Plug in the power cord and turn the unit ON, count seventeen (17) seconds (for Mfg# 9210600 to 9210604 and 9210618 to 9210622) or ten (10) seconds (for Mfg# 9210609 to 9210612). Then, turn the unit OFF and unplug the power cord. Repeat Step 4 again on both Groovy Belt Wraps, Heat Dampers and the surface of the Inner Conveyor Covers.

NOTE: Make sure <u>both</u> Conveyor Safety Interlock Switches are activated when the covers are installed (Figure 11) or conveyors will not rotate.

6. Plug the power cord in and turn on the unit, fold the Release Sheet in half and place it over the Platen. Allow it to be drawn into place and positioned properly.

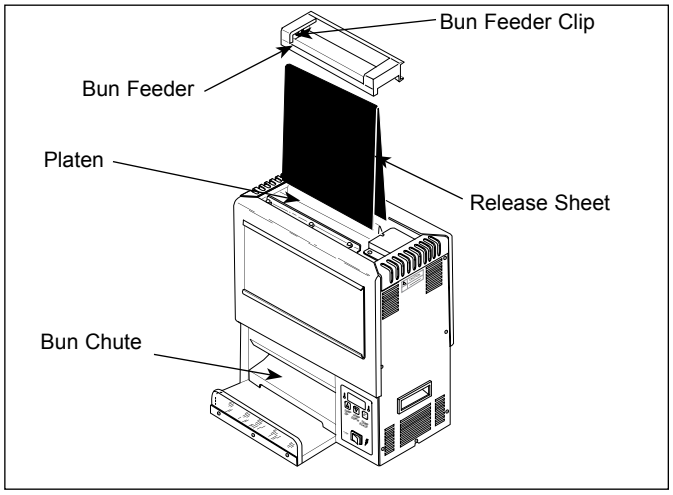


Figure 9. Removing/Installing Release Sheet

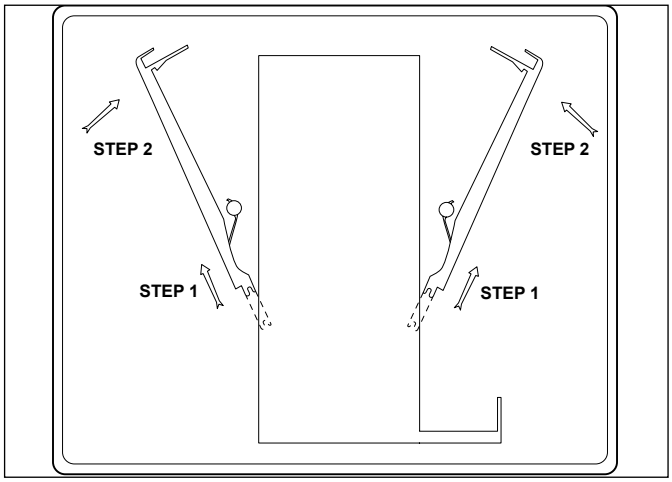


Figure 10. Conveyor Cover Installation

NOTE: Check the release sheet to make sure it is not caught in the conveyor.

7. Turn the unit OFF and re-install the Bun Feeder and Bun Chute.
8. Wipe the entire exterior surface to the toaster with a clean, dry towel, dampened with **KAYQUAT™ Sanitizer (HCS)** and allow it to air dry.
9. Verify that the Bun Thickness Compression Controls are set to “D & 5” (for Mfg# 9210600 to 9210604 and 9210618 to 9210622). For Mfg# 9210609 to 9210612, set the controls to “B & 3”.

MAINTENANCE (continued)

Monthly: Bun Temperature Test

NOTE: The minimum temperature allowed is 150° F (65.6º C). If this temperature is not achieved contact your Authorized Service Agency.

Tools Required: Pyrometer/Needle probe attachment, four 8 oz. coffee cups stacked together, plus one lid or four 12 oz coffee cups plus one lid.

1. Turn the ON and preheat for 30 minutes.
2. Toast 3 regular buns to be used with the 8 oz. cup stack or 4 regular buns to be used with the 12 oz. cup stack.
3. Immediately stuff the buns into the stacked cups and tightly apply the lid. Wait 10 minutes
4. Insert the needle probe attachment of the pyrometer through the lid several times. Note the maximum temperature.

Monthly

Replace Release Sheet.
Every Three Months: Replace Groovy Belt Wraps, Clean and Measure Conveyor Belt Chains, Check Roller Tensioners, and Check Temperature of Bun Landing Area.

Remove the Groovy Belt Wraps & Release Sheet

1. Turn the unit OFF, unplug the toaster and allow it to cool down.
2. Remove the Bun Feeder, Bun Chute, and change the Bun Thickness Compression Controls to "F & 6" (Figure 2A/2B).
3. Remove and discard the black Release Sheet.
4. Open the Front (Heel/Club) Conveyor Cover and rotate the Groovy Belt Wrap so its flap is in the middle (top to bottom) of the conveyor. Pull the hinge pin out of the Groovy Belt Wrap and then remove and discard this Groovy Belt Wrap. Repeat this process on the Rear (Crown) side.

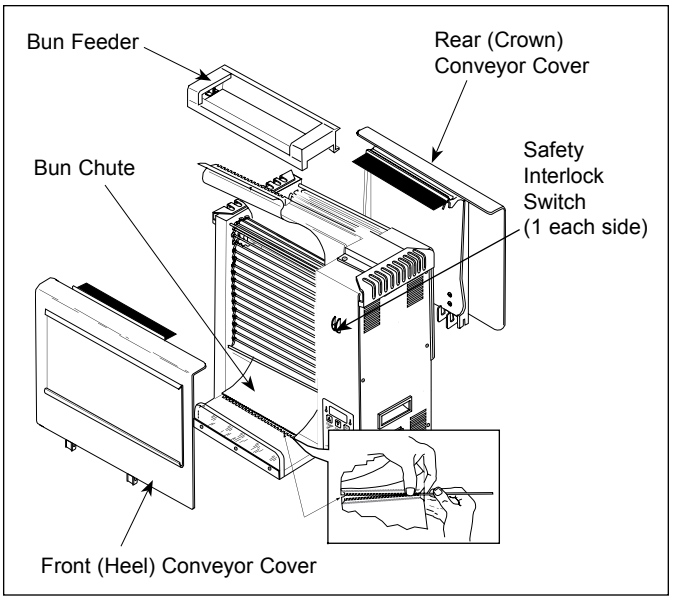


Figure 11. Replacing Groovy Belt

Clean the Conveyor Belt Chains

1. Spray **McD© All-Purpose Super Concentrate (HCS)** on a clean, dry, towel and wipe the surface of the Rear (Crown) Conveyor Belt Chain links firmly from side to side and top to bottom. Immediately repeat this procedure with a clean, dry, towel dampened with **KAYQUAT™ Sanitizer (HCS)** solution and repeat this procedure on the Front (Heel/Club) Conveyor Belt chain.
2. Close the Conveyor Cover(s), plug in the power cord, turn on the unit, count to seventeen (17) seconds for Mfg# 9210600 to 9210604 and 9210618 to 9210622 or ten (10) seconds for Mfg# 9210609 to 9210612. Next, turn the unit OFF and unplug the power cord.

NOTE: Refer to Figures 2A and 2B, in the Operation section of this Manual.

3. Open the Conveyor Cover(s) and repeat Step 1 to clean the other half of both the Front (Heel/Club) and Rear (Crown) Conveyor Belt Chains.

MAINTENANCE (continued)

Measure Conveyor Belt Chains for Stretch

After a period of time, the Conveyor Belt Chain links will wear and the conveyor will stretch. This may cause the conveyor to jam as it rotates on the sprockets. This is easily remedied by removing one or more links from each side of the conveyor.

NOTE: This periodic adjustment is not covered under warranty. It is a user responsibility.

1. Remove the front and rear Conveyor Covers and set the Bun Thickness Compression Controls to "6 & F".
2. Facing the heel/club side (front), locate the approximate center point of the Conveyor Belt Chain.
3. Pull the Conveyor Belt Chain away from the edge of the toaster.
4. Stand a U.S. Quarter coin (15/16" (2.5 cm) horizontally between the chain and the frame (Figure 12).

NOTE: The coin should fit securely between the chain and the frame.

5. If the gap is significantly wider than the coin (one and a half times as large) a small link will have to be removed from the Conveyor Belt Chain.
6. Disconnect the Conveyor Belt Chain by squeezing any two links together and unhooking both ends of one link (Figure 13).

NOTE: Needle nose pliers may be required.

7. To shorten a stretched Conveyor Belt Chain, remove one 1/2" link from the Conveyor Belt chain.
8. Reconnect by hooking both ends of the Conveyor Belt Chain back together and re-measure accordingly.

NOTE: If the chain is too short/tight to be reassembled, remove an additional 1/2" link and install a 3/4" link. This will shorten the belt 1/4" overall.

9. Reassemble the Conveyor Belt Chain and repeat the measurement.

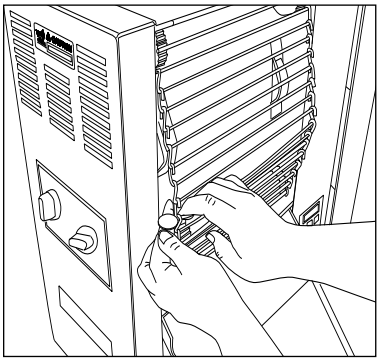


Figure 12. Measuring Conveyor Chain

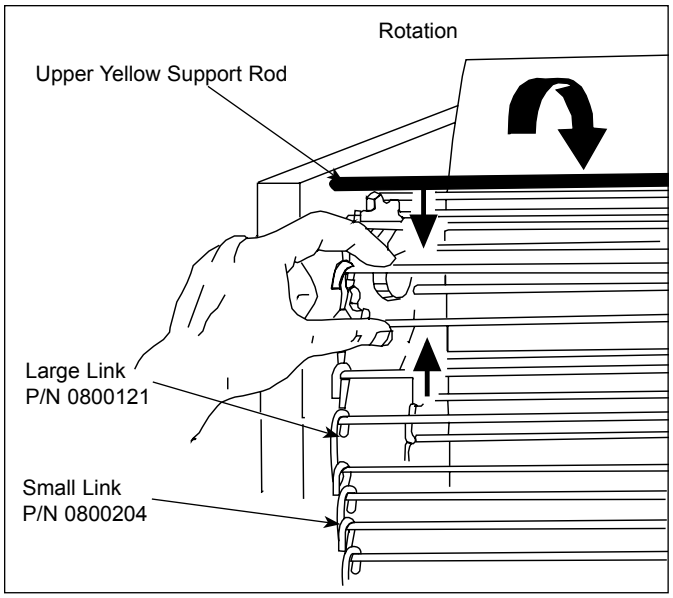


Figure 13. Removing Conveyor Chain Link

⚠ CAUTION ⚠
Loose or over tightened conveyor chains can damage the toaster.

NOTE: If you CANNOT stand the coin between the belt and frame you have taken out the wrong sized link or have taken out too many links and damage may occur to the toaster.

10. Repeat steps 3 through 7 for the crown (rear) side of the toaster using a U.S. Dime coin (11/16", 1.8 cm).

MAINTENANCE (continued)

Replacing Groovy Belt Wraps

NOTE: Follow Steps 1-3, page 12 if necessary.

1. Locate the Hinge Flap on the Groovy Belt Wrap, if the Hinge Flap is not visible; plug in the power cord and turn the unit on, press down on both Conveyor Safety Interlock Switches (Figure 11) and wait until the flap is exposed and centered. Turn the unit off and unplug the power cord, lift flap, remove the Hinge Pin, and carefully remove the Groovy Belt Wrap from the unit (Figure 14). Discard this belt. Repeat this process for the rear (Crown) side.

2. Install the new Groovy Belt Wraps with the Hinge Flap hanging down and the wavy lines facing out, as shown in Figure 16.

⚠ CAUTION ⚠
Be sure Groovy Belt Wrap ends are aligned as shown in Figure 16 or damage to the Belt Wrap will occur.

NOTE: The Groovy Belt Wraps must be installed inside the yellow Support Rods. The flap, which covers the connecting hinge, is located on the (wavy) side of the belt. The (wavy) side should be installed facing the outside of the toaster. The flap should be in the down position (Figures 14 & 16).

⚠ CAUTION ⚠
Be sure the Groovy Belt Wrap is positioned INSIDE the upper and lower yellow Support Rods or damage to the Groovy Belt Wraps will occur.

3. Close the front and rear Conveyor Covers by lifting the covers and gently pushing upward and into the toaster until the covers latch onto the yellow Support Rods.

NOTE: Make sure <u>both</u> Conveyor Safety Interlock Switches are activated when the covers are installed (Figure 11) or the conveyors will not rotate.

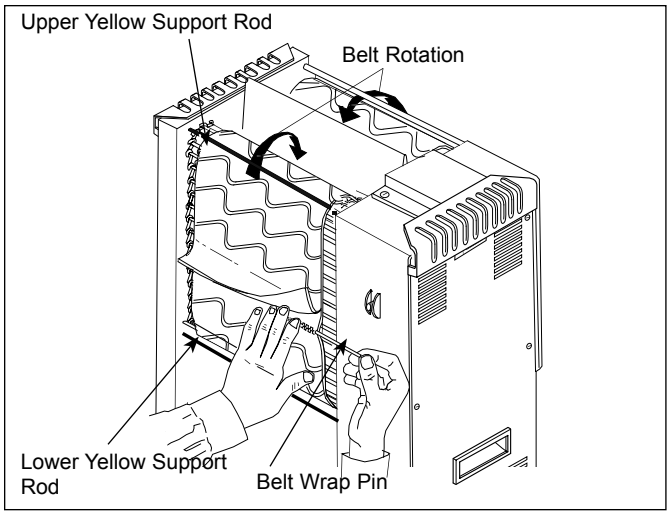


Figure 14. Replacing Groovy Belt

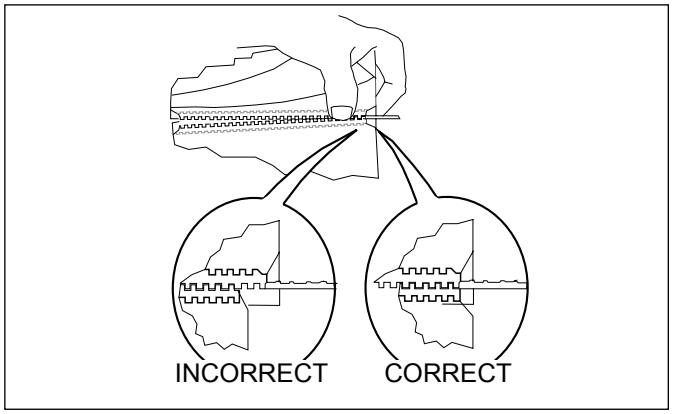


Figure 15. Aligning Belt Teeth

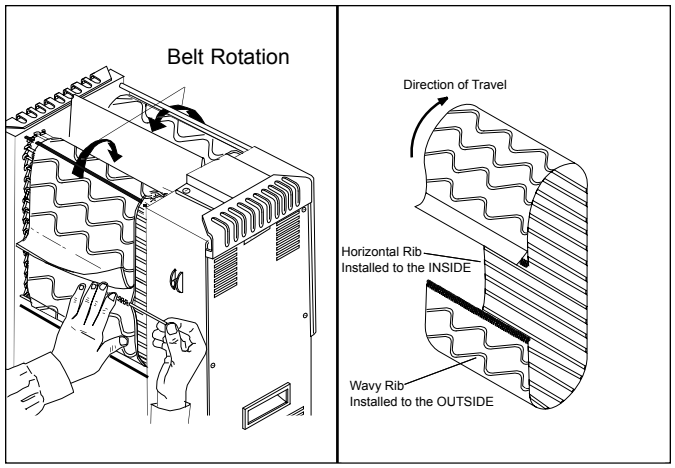


Figure 16. Correct Groovy Belt Wrap Installation

MAINTENANCE (continued)

Install New Release Sheet (monthly)

⚠ CAUTION ⚠
Failure to use Release Sheets will result in damage to the unit and loss of warranty coverage.

1. Fold a new Release Sheet in half, creasing the fold only with your fingers (Figure 18), and place it over the Platen. Allow the conveyor to draw it into place and verify that it is positioned properly (Figure 9).

NOTE: Use only your fingers to crease the fold. DO NOT use any metal, wood, or plastic devices as they will damage the Release Sheet.

NOTE: Additional Release Sheets can be obtained through your Authorized Service Agency.

2. Re-install the Bun Feeder and Bun Chute and allow the toaster 30 minutes to warm up.

Checking Bun Landing Area Temperature

IMPORTANT: If the toaster is equipped with a Bun Buffer Landing Zone (BBLZ), you MUST remove the BBLZ BEFORE performing the temperature measurement in Step 1 below. This temperature measurement is intended to be taken WITHOUT the BBLZ attached to the toaster.

1 Take the temperature of the Bun Landing Area at its center directly in front of the Bun Chute with a Pyrometer/Surface Temperature (grill) Probe. The minimum temperature acceptable is 130° F (54° C). If it is less, contact your Authorized Service Agency or the Technical Service Department of A.J. Antunes & Co. at 877-392-7854 (for the U.S. & Canada only) or 630-784-1000.

2. If a Bun Buffer Landing Zone was removed from the toaster in Step 1, re-attach it after completing Step 1.

Adjusting, Measuring and/or Replacing Roller Tensioner Assemblies

NOTE: Measure the Roller Tensioners. They should be 13/16" (2.1 cm), or the height of a U.S. Nickel coin from the bottom of the roller to the inner Conveyor Cover (Figure 18) and adjust or replace them accordingly. If they have been damaged, they should be replaced:

1. Remove screws from acorn nuts (Figure 19) and remove the old Roller Tensioner assembly

2. Replace Roller Tensioner assembly and reassemble.

3. Make sure the spacers are placed inside the tensioner arm. The spacers are smaller than the holes to allow the tensioner to pivot freely.

4. Set the Bun Thickness Compression Controls to "D & 5" (for Mfg# 9210600 to 9210604 and 9210618 to 9210622). For Mfg# 9210606 to 9210612, set the controls to "B & 3." Plug in the power cord and turn unit on.

NOTE: Refer to Figures 2A and 2B in the Operation section of this manual.

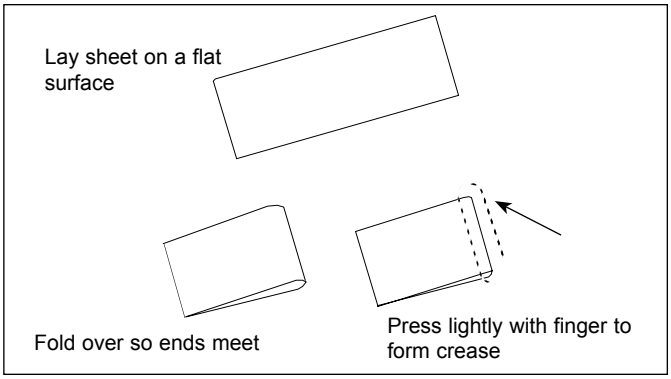


Figure 17. Folding Release Sheet

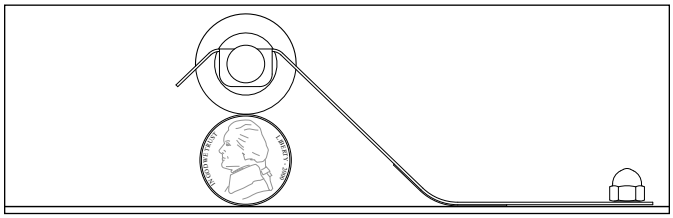


Figure 18. Measuring Roller Tensioner

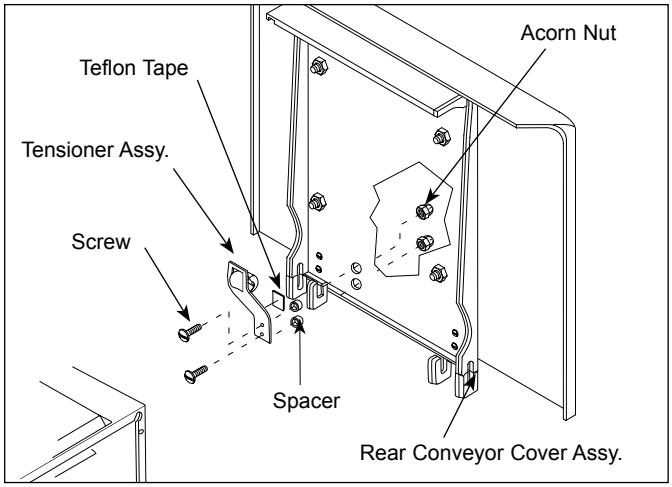


Figure 19. Replacing Roller Tensioner Assembly.

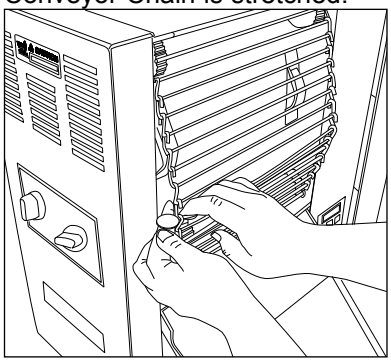
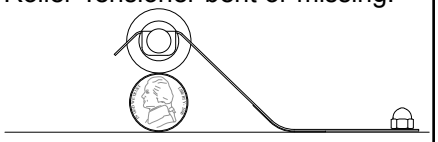
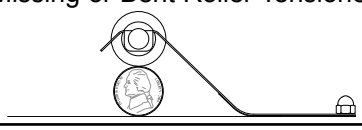
TROUBLESHOOTING

⚠ WARNING ⚠

To avoid possible personal injury and/or damage to the unit, inspection, test and repair of electrical equipment should be performed by qualified service personnel. The unit should be unplugged when servicing, except when electrical tests are required. Use extreme care during electrical circuit tests. Live circuits will be exposed.

Problem	Possible Cause	Corrective Action
No Display No light on Power Switch	Unit not plugged in.	Connect toaster to proper receptacle.
	Hi-Limit tripped.	Reset Hi-Limit.
	Circuit Breaker tripped	Reset Circuit Breaker.
	Power Cord and/or plug are damaged.	Contact your maintenance person or Authorized Service Agency.
	Inoperable Rocker Switch (power On/Off).	
Temperature display flashes "**PO**."	Voltage to the unit is below 190 volts.	Turn the Rocker Switch (power On/Off) to OFF, then ON. If the display shows "**PO**" again, check the power cord and plug receptacle for damage.
		Reset Circuit Breaker located at store's power panel.
		Contact your maintenance person or Authorized Service Agency.
Temperature display reads "**LOW**."	Platen temperature is below 420° F (216° C).	Allow thirty minutes for warm up and recheck display.
		Contact your maintenance person or Authorized Service Agency.
Temperature display flashes "**HI**" at cold start.	Platen Thermocouple is disconnected or open.	Re-attach or replace Platen Thermocouple.
	Inoperable Control Board.	Contact your maintenance person or Authorized Service Agency.
Temperature display flashes "**HI**" and "**LO**" at cold startup.	Auxiliary Thermocouple is disconnected or open.	
After preheat time, display flashes "**HI**" and "**USE**."		
Temperature display flashes "**HI**" and "**USE**" after unit has been preheated, and Belt Wraps may start to smoke.	Auxiliary circuit overheating due to auxiliary solid state relay shorted closed.	
Display reads "**CHEC**."	Ambient temperature in control compartment too high.	Turn toaster off and allow control compartment to cool down to 140° F (60° C) and restart toaster. Be sure cooling fan is operating and nothing is blocking the flow of cooling air to the bottom of the toaster.

TROUBLESHOOTING (continued)

Problem	Possible Cause	Corrective Action
Conveyor Belt Chain does not turn or skips sprockets.	Compression Knobs set incorrectly.	Set the Bun Thickness Compression Controls to "D & 5" (for Mfg# 9210600, 602, 604, 618, 619, 620, & 622). For Mfg# 9210609 to 9210612, set the controls to "B & 3." **See Figures 2A and 2B.**
	Interlock Switches not activating.	Verify the covers are installed correctly. Repair or replace damaged conveyor inner cover.
		Switches are inoperable. Contact your maintenance person or Authorized Service Agency.
	Conveyor Chain is stretched. 	Open Conveyor covers. Set compression Knobs to 6 and F. Facing the Heel/Club side, locate the approximate center point of the groovy Belt. Pull the conveyor Chain away from the edge of the toaster. Stand a U.S. Quarter (15/16" or 2.5 cm) between the frame and the chain. If the gap is significantly greater, REMOVE links (refer to the instructions in the Maintenance section of this manual). If you cannot stand a coin in the gap, you may have to ADD a link. Duplicate this procedure for the CROWN side using a U.S. Dime coin (11/16" or 1.8 cm).
	Roller Tensioner bent or missing. 	Adjust the bent Roller Tensioner - measured to 13/16" (2.1 cm) or the height of a U.S. Nickel coin from the bottom of the roller to the inner cover. **Note: Damaged Roller Tensioners should be replaced.**
	Motor Drive Chain is off or dry.	Have a qualified maintenance person or your Authorized Service Agency reinstall and/or lubricate the chain.
	Motor does not operate.	Have a qualified maintenance person or your Authorized Service Agency inspect all electrical connections and, if necessary, replace the motor.
Groovy Belt wrap stop turning, but conveyor chain continues to turn.	Underside of Groovy Belt and Conveyor Chain have excessive caramelizing buildup.	Clean Belt Wrap and Conveyor Belt Chain as per current MRC Card (TS 019).
Flap covering connecting hinge or wavy rib on Belt Wrap is getting torn or worn.	The inner Conveyor Cover has been damaged (bent in at the top).	Repair or replace the inner conveyor cover.
	Groovy Belt Wrap has been installed upsidedown.	Reinstall Groovy Belt Wrap with flap down.
Groovy Belt Wraps are tearing in the center.	Missing or Bent Roller Tensioners. 	Replace or adjust the bent Roller Tensioner - measured to 13/16" (2.1 cm) or the height of a U.S. Nickel coin from the bottom of the roller to the inner cover.

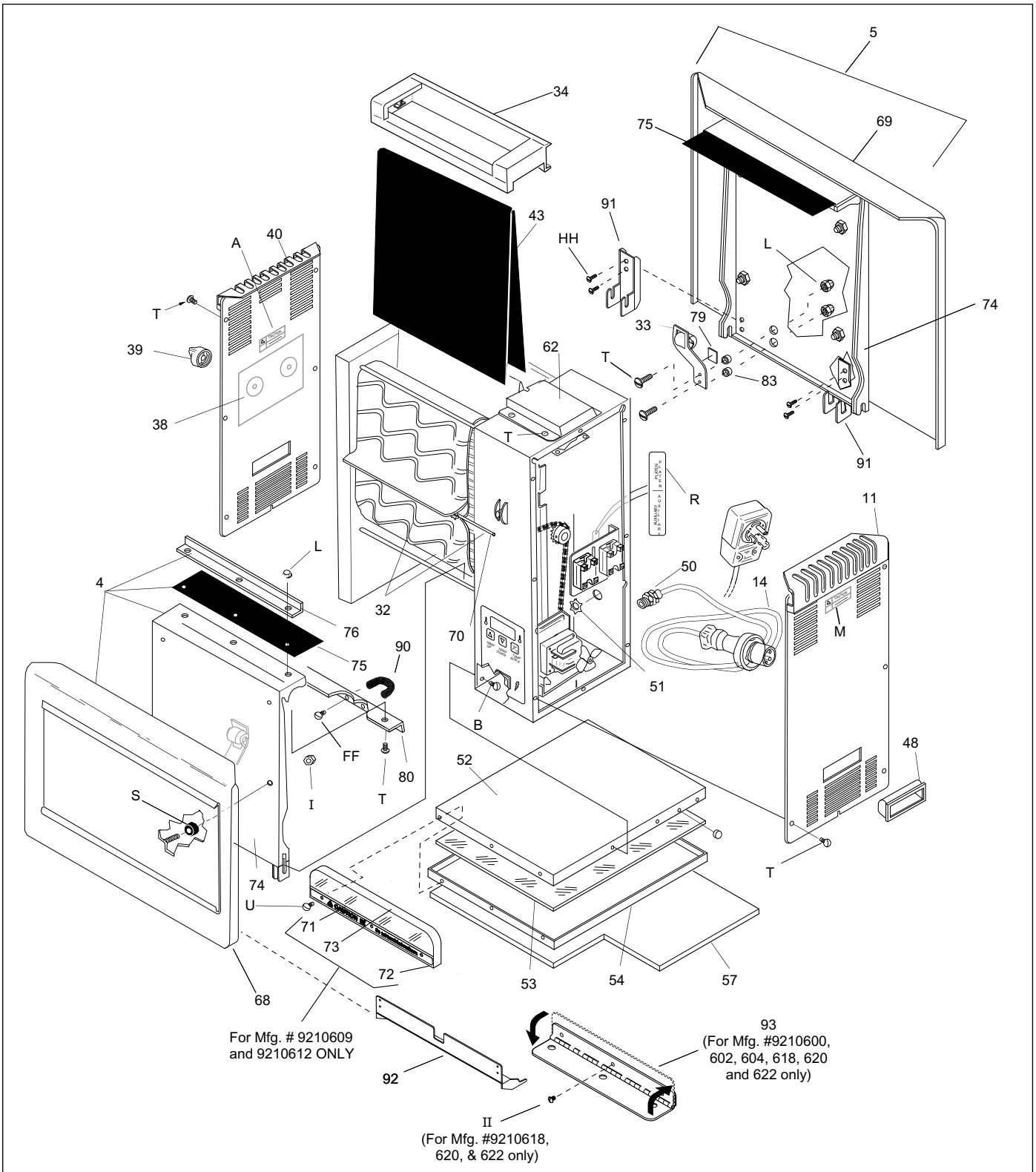
TROUBLESHOOTING (continued)

Problem	Possible Cause	Corrective Action
Groovy Belt Wrap does not fit, is difficult to install, or is not long enough.	Groovy Belt Wrap is installed improperly.	Check that Groovy Belt Wrap is not placed over the upper or lower Support Rod. Be sure the open end of the flap is away from direction and rotation, and is located toward the outside of the Groovy Belt Wrap.
	Groovy Belt Wrap is damaged.	Replace Groovy Belt Wrap.
The only item that operates is the cooling fan (conveyor and heat inoperable).	Hi-Limit Control is tripped open.	Reset Hi-Limit Control according to the instructions in the Maintenance section of this manual. **Note: If Hi-Limit trips again, contact your Authorized Service Agency for service.**
Platen is hot and Conveyor Belt Chains do not move.	Conveyor Cover assemblies not installed.	Install Conveyor Cover assemblies.
	Conveyor Belt Chains installed incorrectly.	Install Conveyor Belt Chain to match the diagram
	One or both Conveyor Interlock Switches not activated by Conveyor covers.	Install Conveyor Cover assembly correctly (see Figure 9).
Buns are not toasting properly.	Compression Knobs set incorrectly.	Set the Bun Thickness Compression Controls to “D & 5” (for Mfg# 9210618 to 9210622). For Mfg# 9210600 to 9210612, set the controls to “B & 3.” **See Figures 2A and 2B.**
	Toaster temperature not set properly.	Verify the toaster is set at SP-P 560 F (293° C) for the Platen and SP-A 400 F (204° C) for the Auxiliary. Follow the instructions in the Operation section of this manual.
	Release Sheet is dirty or worn.	Follow the cleaning and replacement procedure on the current MRC Card (TS 019).
	Groovy Belt Wrap is dirty or worn.	
	Bun temperature below 150° F (65.6° C).	Perform the bun temperature test as described on the current MRC Card (TS 019).
		Replace worn Teflon dampers and/or missing springs.
		Contact your Authorized Service Agency for parts and service, if necessary.
	Buns cut improperly.	Contact your bun supplier.
Crown and/or heel must be forced into toaster.	Bun Feeder improperly installed.	Remove and reposition Bun Feeder.
	Groovy Belt Wrap not tacky or is worn.	Clean or replace Groovy Belt Wrap.
	Crown and/or heel improperly inserted into toaster.	Buns must be inserted with cut faces facing inward toward each other; heel in front slot and crown in rear slot.
	Groovy Belt Wrap slipping over Conveyor Belt Chains.	Clean conveyor belt/chain according to the instructions in the Maintenance section of this manual.

TROUBLESHOOTING (continued)

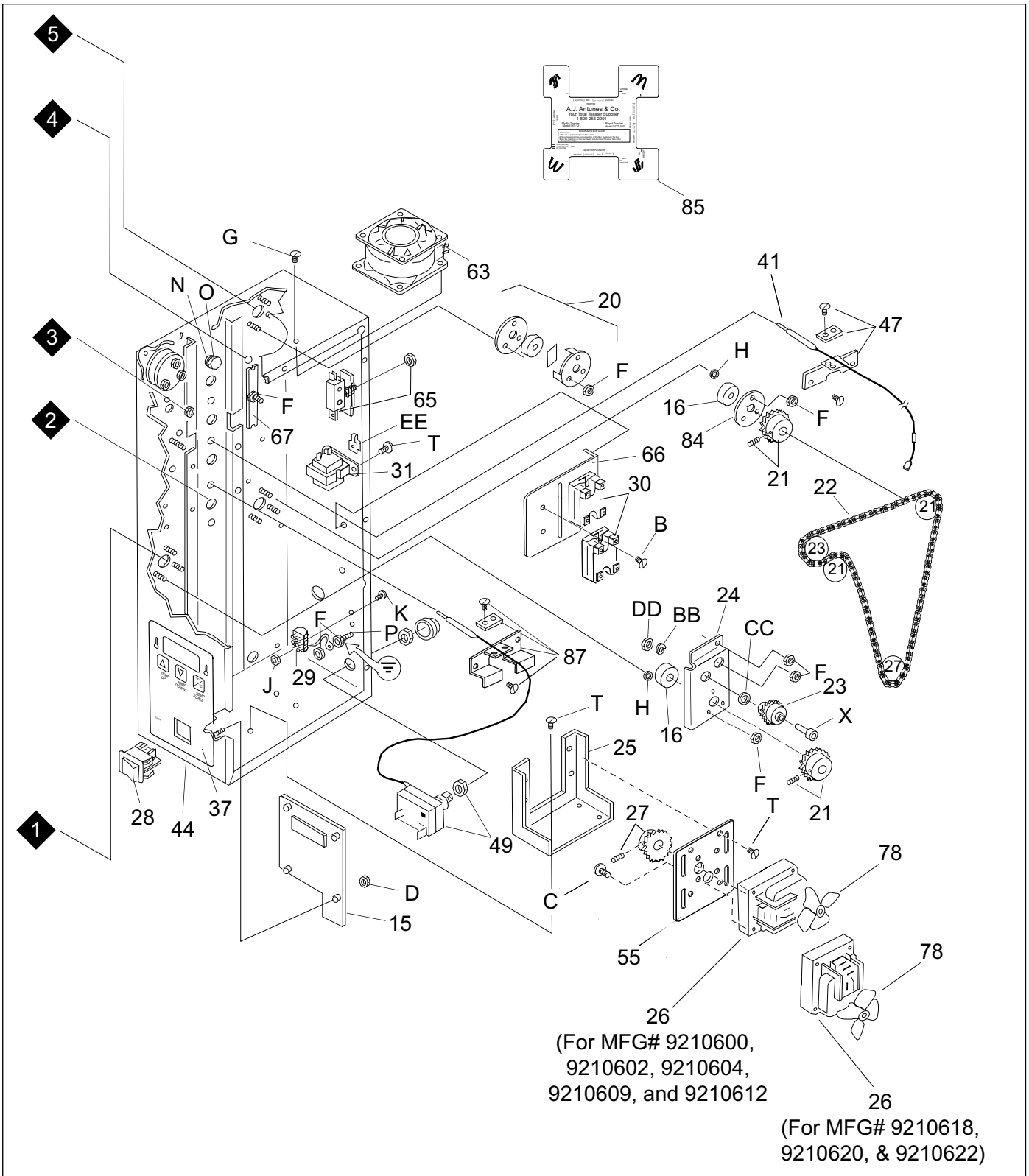
Problem	Possible Cause	Corrective Action
Buns sticking.	Compression Knobs set incorrectly.	Set the Bun Thickness Compression Controls to “D & 5” (for Mfg# 9210600, 602, 604, 618, 619, 620, & 622). For Mfg# 9210609 to 9210612, set the controls to “B & 3.” **See Figures 2A and 2B.**
	Improper cleaning of the Release Sheet and/or Groovy Belt Wrap.	Follow the cleaning and/or replacement instructions on the current MRC Card (TS 019) and immediately clean the “APSC” off with a clean, dry towel dampened with sanitizer solutions.
	Roller Tensioner out of position.	Adjust or replace Roller Tensioner according to the instructions in the Maintenance section of this manual. **Note: Replace damaged Roller Tensioners.**
Product is over-toasted or Platen Heat is to high or drop time is too slow.	Temperature set too high.	Reset Platen temperature to 560° F (293° C).
	Bun adjustment controls set incorrectly.	Set bun adjustment controls according to the instructions in the Operations section of this manual.
	Groovy Belt Wraps worn and not permitting belt to pull buns across Platen in required time.	Clean or replace Groovy Belt Wrap.
	Groovy Belt not tacky.	
	Buns sticking on Release Sheet.	Clean or replace Release Sheet.
	Groovy Belt installed incorrectly.	Re-install Groovy Belt according to the instructions in the Maintenance section of this manual.
	Defective Drive Chain or loose sprocket.	Contact your maintenance person or Authorized Service Agency.
	Defective Drive Motor or wrong RPM Drive Motor.	
	Defective temperature display control	
Product is under toasted or Platen heat is too low or drop time is too fast.	Temperature set too low.	Reset platen temperature to
	Compression Knobs set incorrectly.	Set the Bun Thickness Compression Controls to “D & 5” (for Mfg# 9210600, 602, 604, 618, 619, 620, & 622). For Mfg# 9210609 to 9210612, set the controls to “B & 3.” **See Figures 2A and 2B.**
	Platen Thermocouple is defective.	Contact your maintenance person or Authorized Service Agency.
	Defective Control Board.	
Unit makes high pitched squeal or whining noise.	Drive motor.	If noise is identified as coming from the motor, replace it.
	Teflon bearings.	Replace Teflon bearings.
	Ball bearings.	Replace ball bearings.

REPLACEMENT PARTS



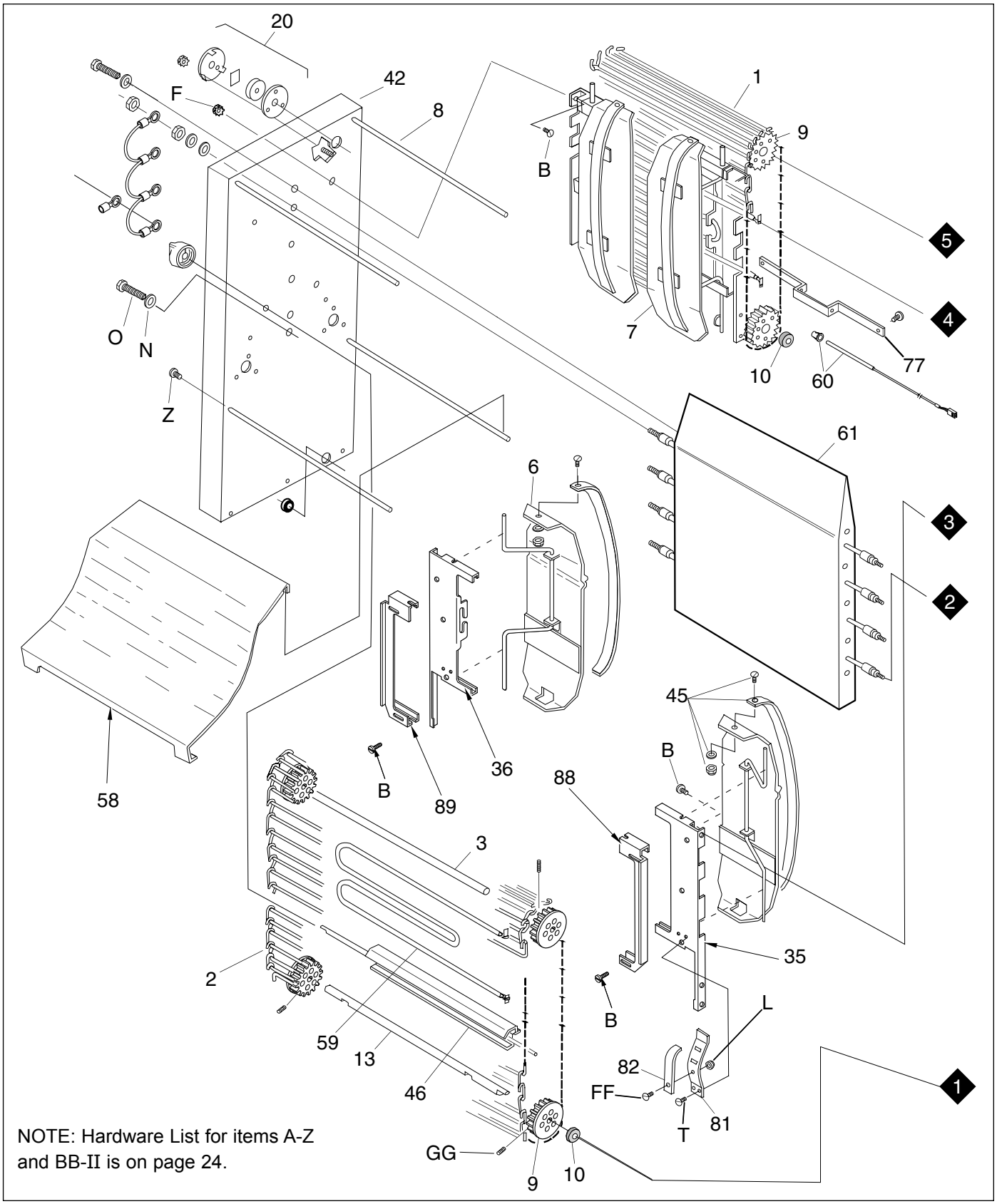
NOTE: Hardware List for items A-Z and BB-II is on page 24.

REPLACEMENT PARTS (continued)



NOTE: Hardware List for items A-Z and BB-II is on page 24.

REPLACEMENT PARTS (continued)



NOTE: Hardware List for items A-Z and BB-II is on page 24.

REPLACEMENT PARTS (continued)

Item	Part No.	Description	Qty.
1	0011266	Conveyor Belt Assy. (Crown) A&B	1
A	0800204	1/2" Pitch Link, Small	2
B	0800121	3/4" Pitch Link, Large	38
2	0011264	Conveyor Belt Assy. (Heel) A&B	1
A	0800204	1/2" Pitch Link, Small	4
B	0800121	3/4" Pitch Link, Large	37
3	2150117	Idler Shaft	2
4	7000251	Conveyor Cover Assy., Frnt. (Heel/Club)	1
5	7000252	Conveyor Cover Assy., Rear (Crown)	1
6	0011242	Tensioner Assy., Front	2
7	0011262	Tensioner Assy., Rear	2
8	0800332	Rod, Conveyor Cover	4
9	7000207	Sprocket w/Setscrew	8
10	7000199	Spacer Kit (Pack of 2)	1
11	7000230	Control Cover (Incl. #48)	1
13	2150118	Drive Shaft	2
14	0700437	Power Cord/Plug, IEC 309 Mfg. No. 9210609	1
	0700463	Power Cord/Plug, 5-15P Plug Mfg. No. 9210600 & 9210618	1
	7000464	Power Cord/Plug, Twist & Lock Angle Mfg. No. 9210602 & 9210620	1
	7000465	Power Cord/Plug, Twist & Lock Straight Mfg. No. 9210604, 9210612, & 9210622	1 15
	0700706	Power Cord/Plug, L6-20P Mfg. No. 9210619 Only.	1
15	7000310	Control Board	1
16	7000296	Ball Bearing (Pack of 2)	1
20	7000167	Bearing & Retainer Kit *(See note below)	6*
21	2150181	Sprocket, Drive w/Setscrew	2
22	2150215	Drive Chain For Mfg# 9210600, 602, 604, 620, and 622	1
	2150187**	Drive Chain For Mfg# 9210609 & 612	1
23	0011299	Idler Sprocket & Bearing	1
24	0501232	Bracket, Idler Sprocket	1
25	0503589	Bracket, Motor Mounting	1
26	7000364	Drive Motor Kit (Incl. #78) 3 RPM/17 Secs For Mfg# 9210600, 602, 604, 618, 619, 620, and 622	1
	7000240**	Drive Motor Kit (Incl. #78) 9 RPM/10 Secs For Mfg# 9210609, & 612	1
27	2150112	Sprocket, Motor w/Setscrew 28 Tooth, 17 Seconds 60Hz. Mfg# 9210600, 602, 604, 618, 619, 620, & 622	1

Item	Part No.	Description	Qty.
	2150129**	Sprocket, Motor w/Setscrew 16 Tooth, 10 Seconds 60Hz. Mfg# 9210612	1
	2150110	Sprocket, Motor w/Setscrew 20 Tooth, 10 Seconds 50Hz. Mfg# 9210609	1
28	4010137	Rocker Switch, On/Off (250 VAC)	1
29	406K006	Terminal Block	1
30	405K125	Relay, Solid State	2
31	4010187	Transformer	1
32	7000183	Conveyor Belt Wrap (Pack of 2)	1
33	7000186	Roller Tensioner Assy. (Pack of 2)	1
34	0021164	Bun Feeder	1
35	0503496	Tensioner Bracket, RH	2
36	0503497	Tensioner Bracket, LH	2
37	1001006	Label, Control	1
38	10P1118	Label, Dial (Pack of 10) YELLOW Color for Mfg# 9210600, 602, 604, 618, 619, 620, and 622	
	10P1026**	Label, Dial (Pack of 10) GRAY Color for Mfg# 9210609 & 612	1
39	2100253	Knob, Control	2
40	7000232	Cover, End	1
41	4050214	Thermocouple Assy. (Platen)	1
42	0021175	Weldment, End Housing	1
43	7000110	Release Sheet (Pack of 3)	-
	7000111	Release Sheet (Pack of 10)	-
44	0021174	Control Housing	1
45	7000121	Slide Rail Kit (Includes 2 slide rails for 2 tensioners)	2
46	0021183	Conveyor Cam	2
47	7000176	Thermocouple Retainer Kit	1
48	2100212	Lifting Handle	2
49	4030332	High Limit Thermostat	1
50	0400315	Strain Relief	1
51	0400138	Locknut, 1/2"	1
52	0503405	Base, Outer	1
53	4030326	Heater, Bun Landing	1
54	0503407	Base, Inner	1
55	0503590	Bracket, Motor	1
56	0700570	Wire Set (not shown)	1
57	0200211	Gasket, Base	1
58	0503425	Bun Chute	1
59	4030349	Auxiliary Heater, Air (208 VOLT)	2
	4030348	Auxiliary Heater, Air (230 VOLT)	2
60	7000165	Auxiliary Thermocouple Kit	1
61	7000303	Platen (208 VOLT)	1
	7000304	Platen (230 VOLT)	1
62	0021182	Weldment, Fan Duct	1

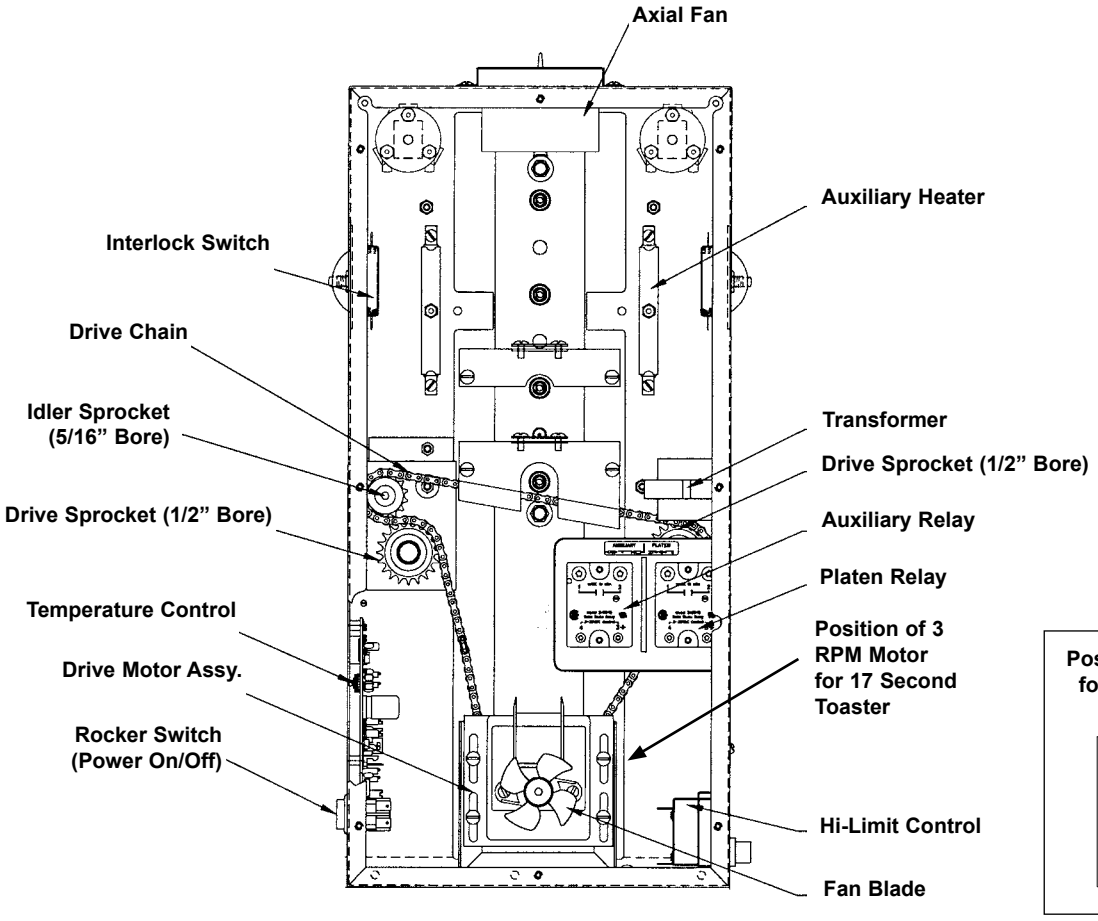
REPLACEMENT PARTS (continued)

Item	Part No.	Description	Qty.
63	4000138	Axial Fan	1
65	4010107	Interlock Switch	2
66	0503359	Bracket, Relay	1
67	0503150	Heater Clip	2
68	0021177	Heat Shield, Front	1
69	0021178	Heat Shield, Rear	1
70	303P127	Hinge Pin, Belt Wrap (Pk. of 10)	1
71	1001023	Label, Caution Hot (Mfg# 9210609 & 612)	1
72	0503368	Fascia, Bun Stop (Mfg# 9210609 & 612)	1
73	0900225	Bun Stop (Mfg# 9210609 & 612)	1
74	7000226	Inner Conveyor Cover (w/hinge bracket)	2
75	7000248	Teflon Damper Kit (Includes 4 - #90 & 2 Dampers)	1
76	0503367	Clamp, Damper	2
77	0503321	Bracket, Auxiliary Thermocouple	1
78	4000170	Fan Blade,	1
79	2100252	Teflon Slip Strip	2
80	0503448	Damper Support Bracket	2
81	0503455	Tension Spring, Inner	4
82	2100259	Slide Bar	4
83	0502199	Spacer	4
84	0500464	Retainer, Bearing	1
85	0900228	Bun Gauge	1
87	7000203	Thermocouple Retainer/Chain Guard Kit	1
88	0503495	Retainer, Tensioner Bracket, RH	2
89	0503507	Retainer, Tensioner Bracket, LH	2
90	060P132	Damper Support Spring (Pack of 10)	1
91	0021311	Hinge Bracket Weldment	4
92	0503860	Hinge Bracket (for Mfg# 9210612 - Japan Only)	1
93	2110168	Hinge, Bun Stop (Mfg# 9210600, 602, 604, 618, 619, 620, and 622)	1
	*Note	7000167 Single Bushing & Retainer Kit	6
	7000224	6 Bushing & Retainer Kits	1

***** See "Toasting Time Change" in the Specifications section.***

REPLACEMENT PARTS (continued)

Parts Identification



Hardware List

The following items are only available in packages of 10.

Item	Part No.	Description	Qty.
A	100P864	Label, Caution Hot	1
B	308P115	Screw, #8-32 x 3/8" (10 mm)	10
C	310P154	Screw, #10-32 x 3/8"	4
D	304P105	Nut, #4-40, "KEPS"	1
E	406P107	Cable Tie	1
F	308P143	Nut, #8-32, "KEPS"	3
G	310P103	Screw, #10-32 x 1/4"	1
H	310P140	Washer, #10	3
I	308P101	Nut, #8-32	3
J	306P101	Nut, Hex, #6-32	1
K	306P123	Screw, #6-32 x 7/8"	1
L	308P145	Nut, Hex Acorn, #8-32	1
M	100P900	Label, Service	1
N	325P104	Washer, 1/4"	1
O	325P109	Screw, 1/4-20 x 1/2"	1
P	308P124	Screw, 1-Way, #8-32 x 1/2"	1
R	10P1022	Label, Heaters	1

Item	Part No.	Description	Qty.
S	212P111	Spacer	1
T	308P157	Screw, #8-32 x 1/4"	1
U	308P120	Screw, #8-32 x 5/8"	1
V	308P104	Screw, #8-32 x 3/8"	1
W	308P105	Screw, #8-32 x 1/2"	1
X	331P103	Shoulder Bolt, 5/16-18 x l"	1
Y	040P111	Bushing, Shorty, 1/2" (not shown)	1
Z	306P105	Screw, #6-32 x 1/2"	1
BB	331P106	Lockwasher, 5/16"	1
CC	212P118	Flat Washer, 5/16"	1
DD	331P101	Nut, Hex, 5/16 x 18"	1
EE	300P102	Nut, Tinnerman	2
FF	306P104	Screw, #6-32 x 1/4"	8
GG	325P163	Setscrew, 1/4-28 x 5/16"	8
HH	308P183	Screw, Hexhead #8-32 x 3/8"	1
II	308P144	Screw, #8-32 x 1/4" (#6 Head)	1

OPTIONAL ACCESSORIES

Bun Buffer Landing Zone (Accessory)

The optional Bun Buffer Landing Zone consists of the following parts:

1. BBLZ Main Assembly (P/N 0011741)
2. Front Panel Assembly (P/N 0021328)
3. Thumb Screw (P/N 3080191)

There is also a kit for the Bun Buffer Landing Zone available for purchase. It consists of the following parts:

1. Bun Buffer Landing Zone Kit (P/N 7000378)
   a. BBLZ Main Assembly (P/N 0011741)
   b. Front Panel Assembly (P/N 0021328)
   c . Bun Chute (P/N 0503425)
   d. Instruction Sheet (P/N 1010842)

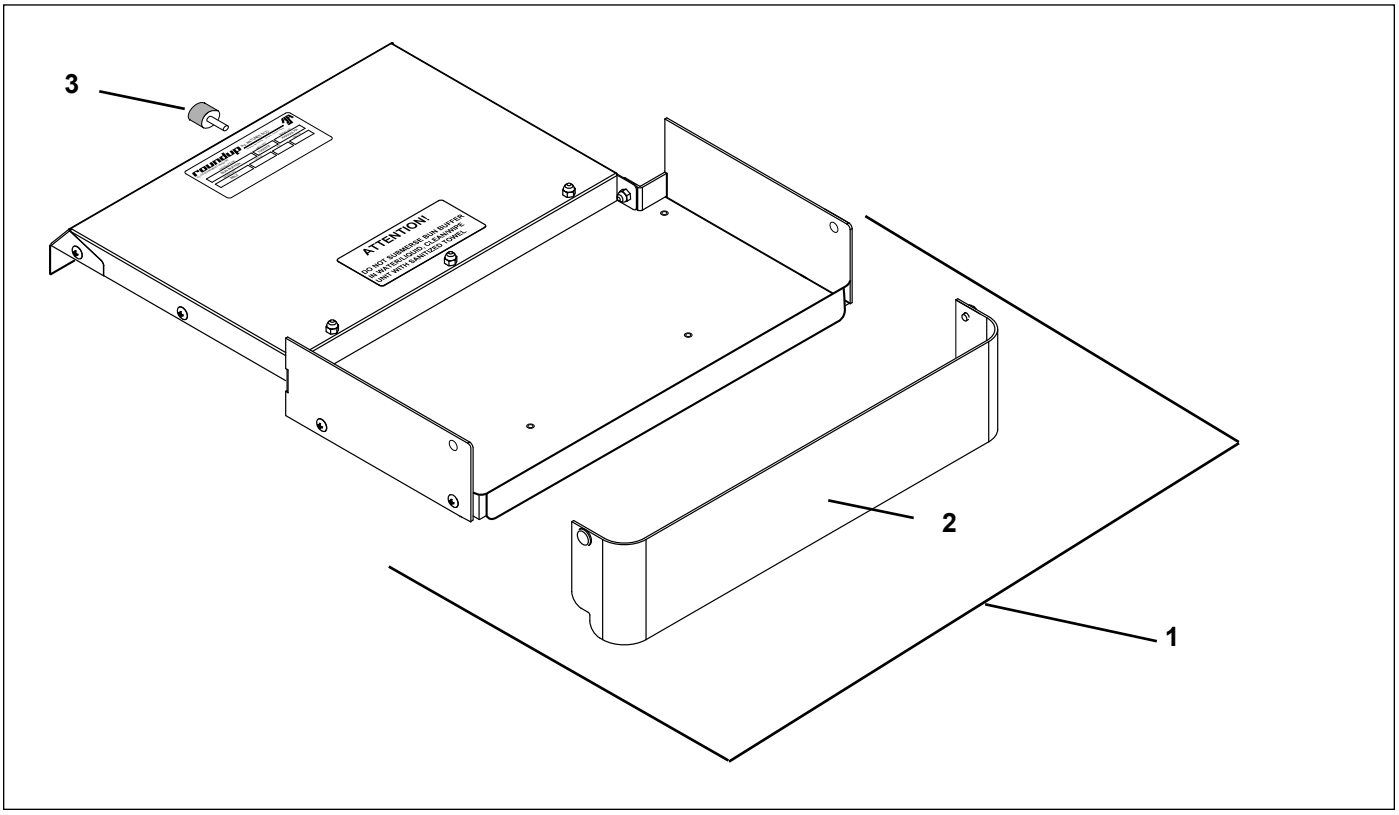
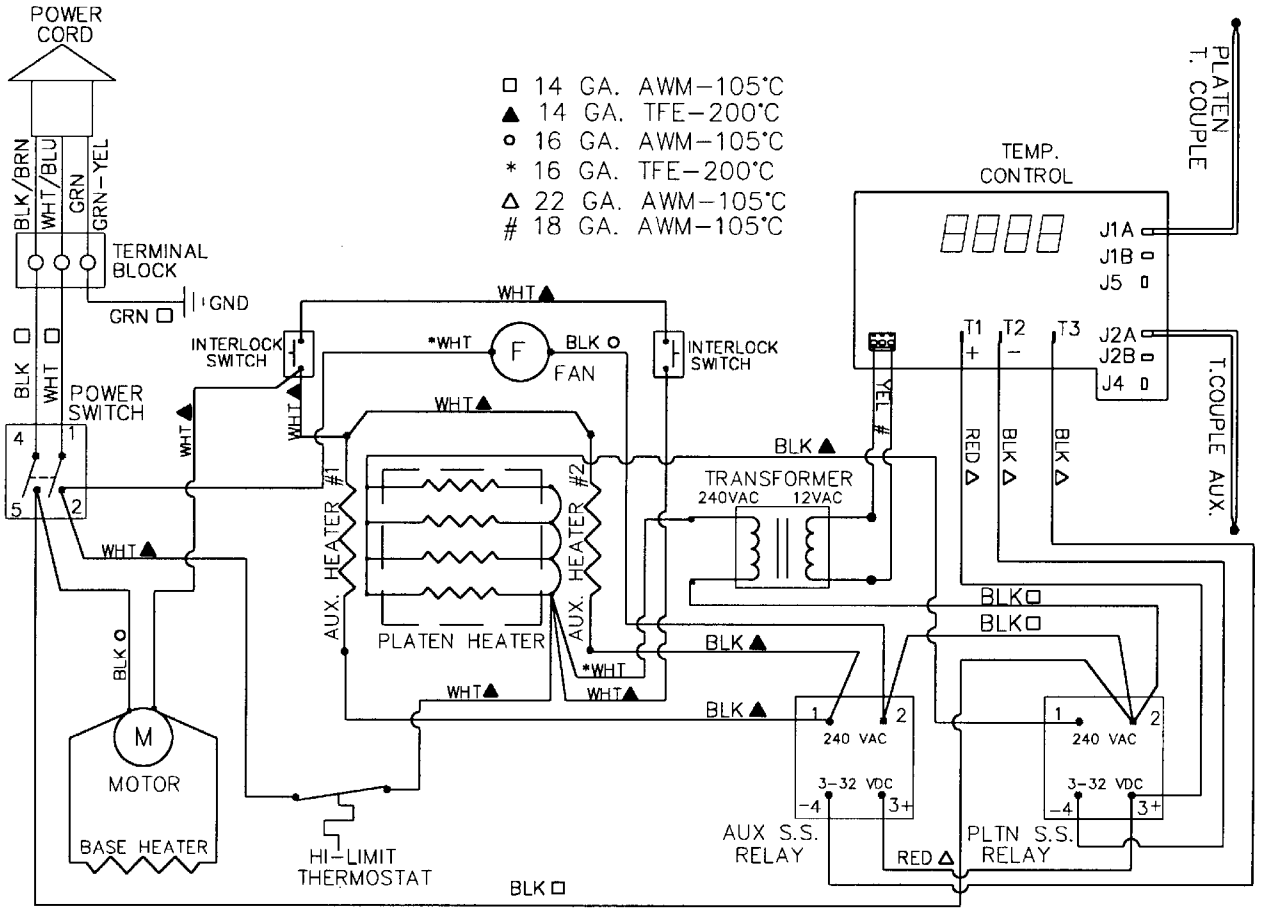


Figure 20. Optional Bun Buffer Landing Zone Kit

WIRING DIAGRAMS

Pictorial Wiring Diagram



Ladder Wiring Diagram